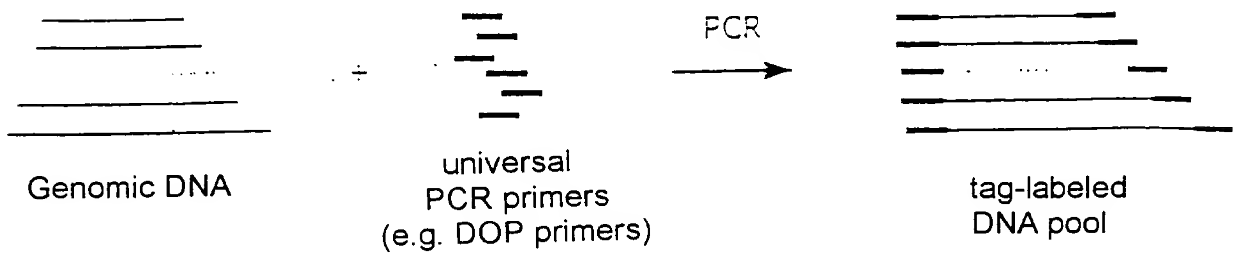
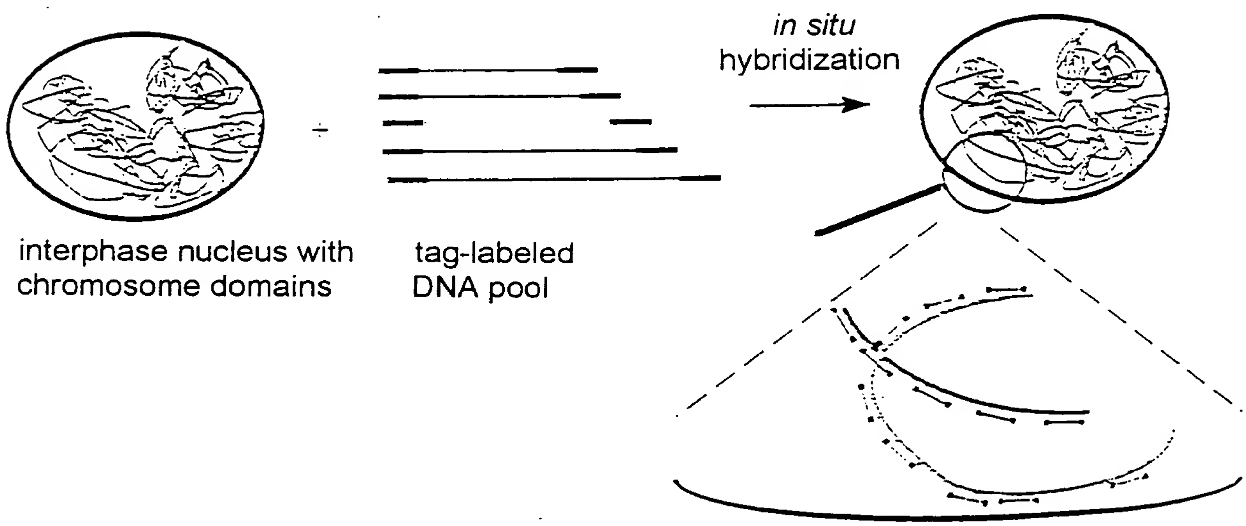
Diagram of "Tagged Genome Hybridization"

1.) Preparation of a representative tag-labeled DNA pool from genomic DNA of normal cells by means of a universal PCR method.



2.) *In situ* hybridization of interphase nuclei with tag-labeled DNA pool.



3.) Universal PCR of the isolated interphase nuclei with identical primers (see step a)

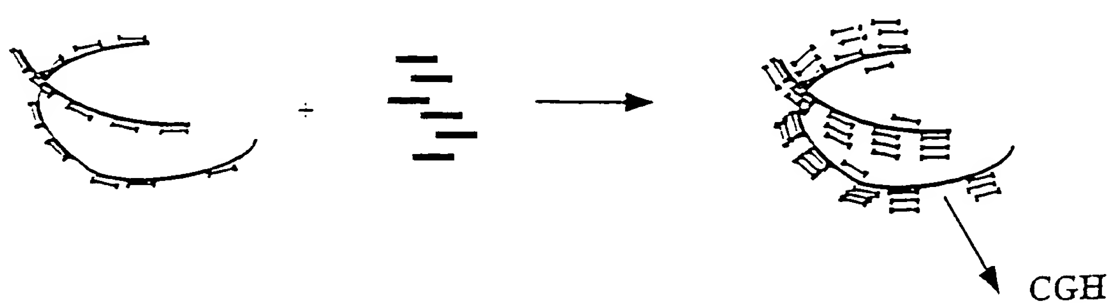
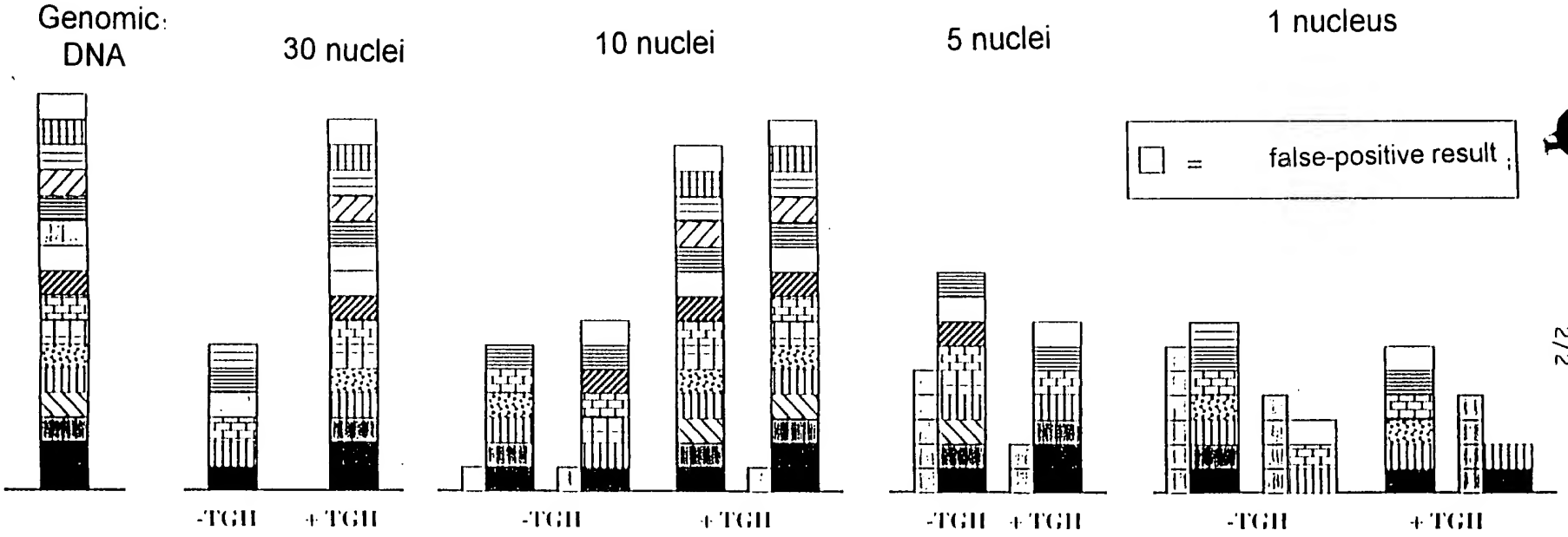


Fig. 1

Detection sensitivity of chromosomal over-representations in Colo 320(HRS) cells following universal PCR (DOP PCR) and CGH



Over-representations of chromosomal regions of cell line Colo 320(HSR), identified by means of CGH

1q21-23	8q24-amp	12p	13q	17q
2p	9q	12q12-q21	16p	20
2q12-q22	10p	12q23-q24	16q	
6p25	11p			

Fig. 2